

Claims

1. A method of producing a high Tc superconducting tape or a high Tc superconducting wire with a metal sheath, said method comprising a number of annealing steps, characterised in that an additional surface layer for modifying the properties of the wire/tape is applied after the final annealing.
2. A method according to claim 1, characterised by a surface layer of electrical insulating material.
3. A method according to claim 1, characterised by using a coloured or a marked surface layer so as to be able to distinguish between different wires or different portions of the same wire, for instance to mark one of the sides of the wire/tape.
4. A method according to claim 1, characterised by a surface layer having a low friction.
5. A method according to claim 4, characterised in that the surface layer with a low friction is composed of teflon.
6. A method according to claim 1, characterised in that the coating material is polyurethane, polyesterimide, epoxy, teflon or another insulating material.
7. A method according to claim 6, characterised in that the surface layers contain ceramic powder, graphite, carbon, fiber or metallic particles/fibres.
8. A method according to claim 1, characterised by applying the insulating layer by painting, coating, DIP-coating, spraying or dry powder coating.

9. A method according to claim 1, characterised in that the coating is thermal curable, UV curable or solvent based.

10. A method according to claim 1, characterised in that the surface layer is of a single or a multilayer structure.

11. A method according to claim 1, characterised in that the surface layer is over a single wire/tape or over a bunch of wires/tapes.

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